

FIGURE 1

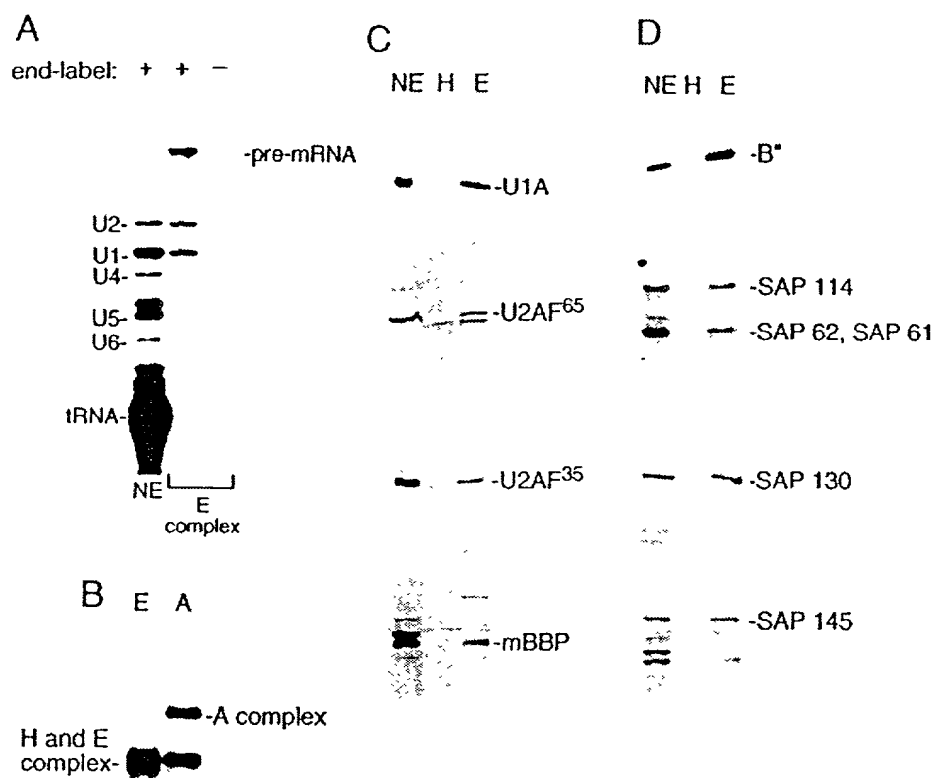


FIGURE 2

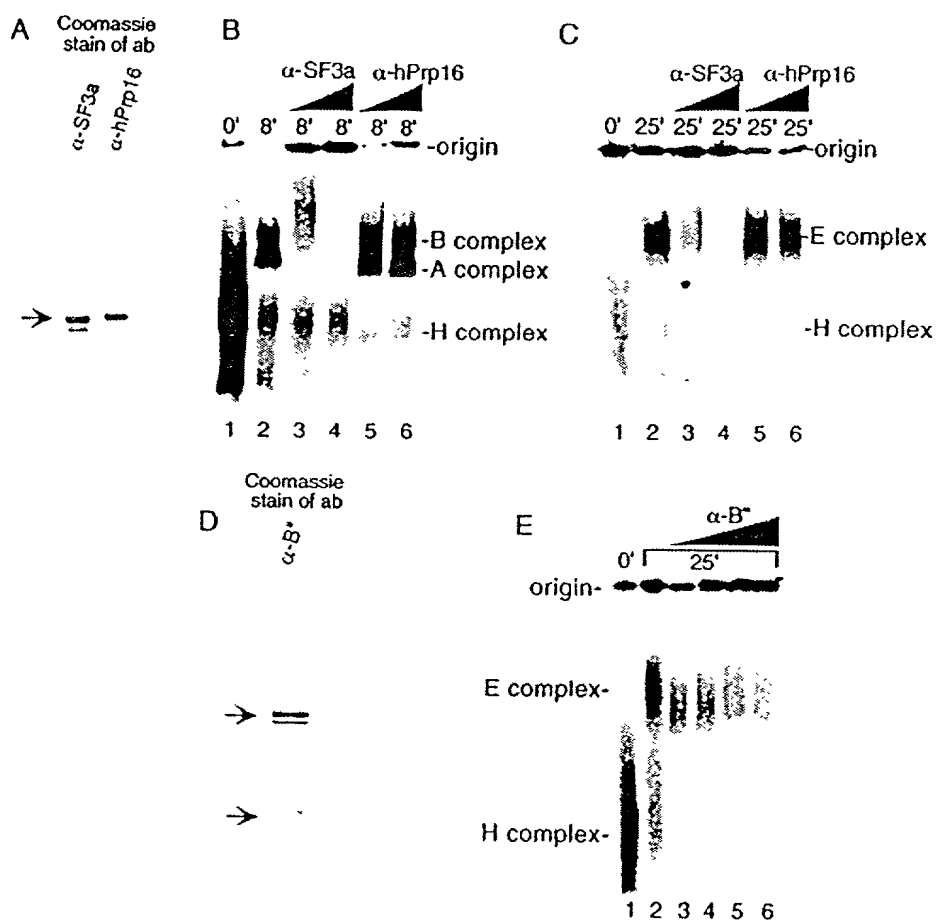
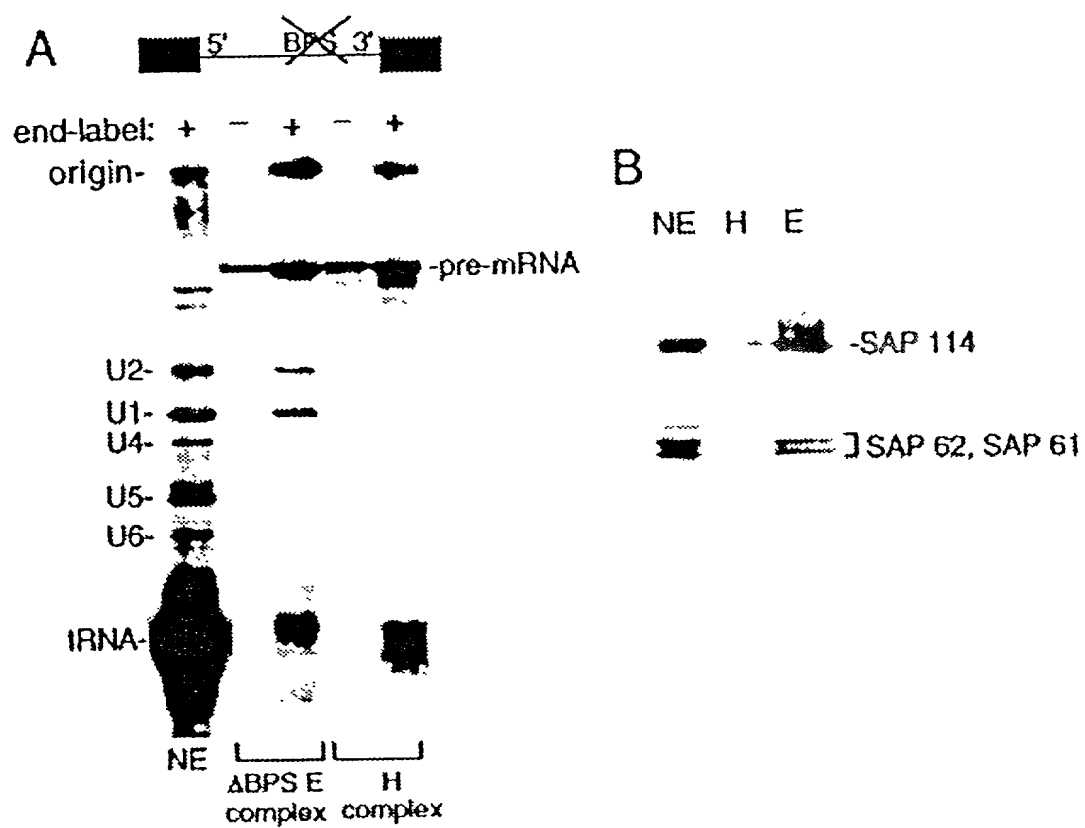


FIGURE 3



**FIGURE 4**

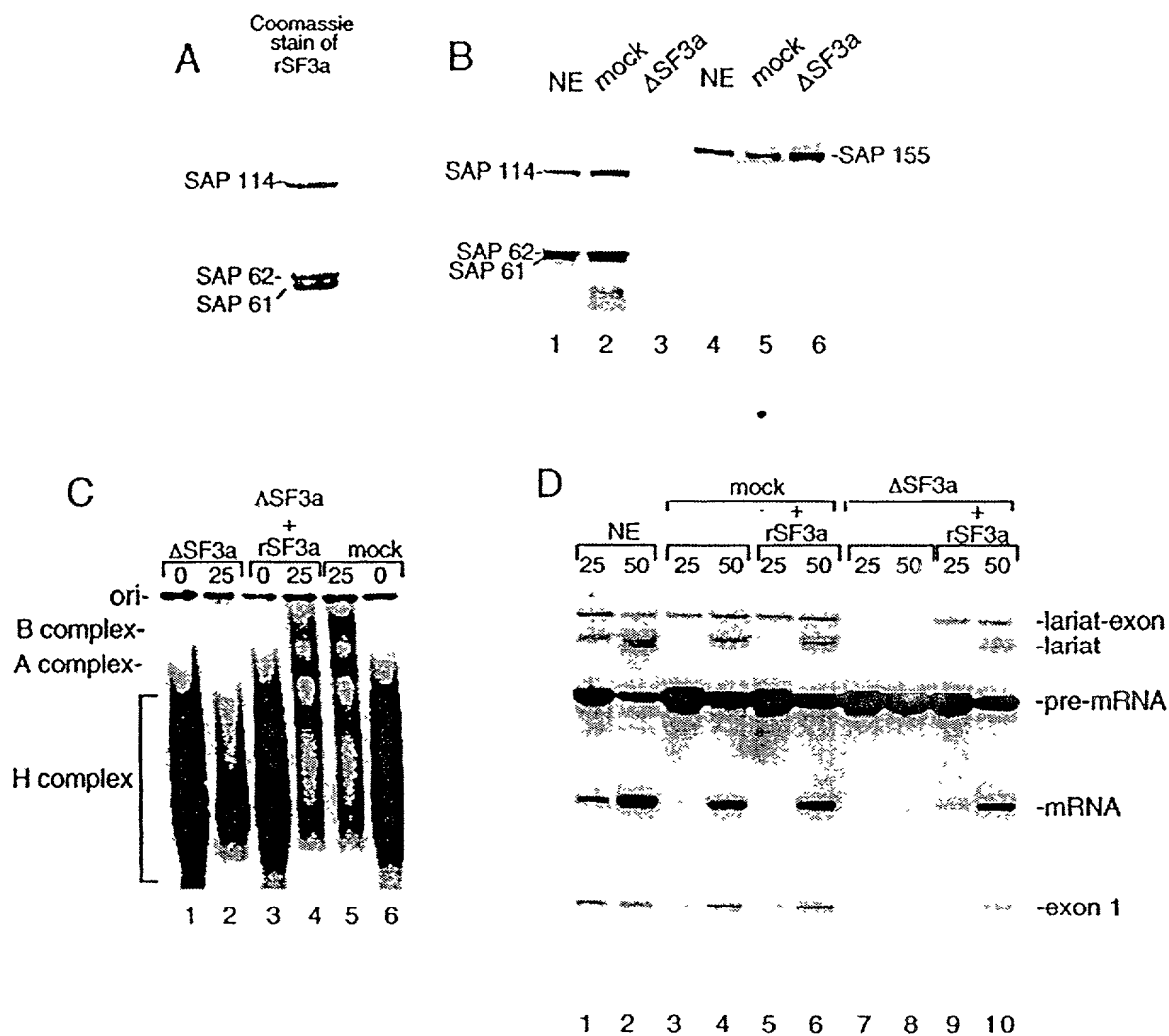
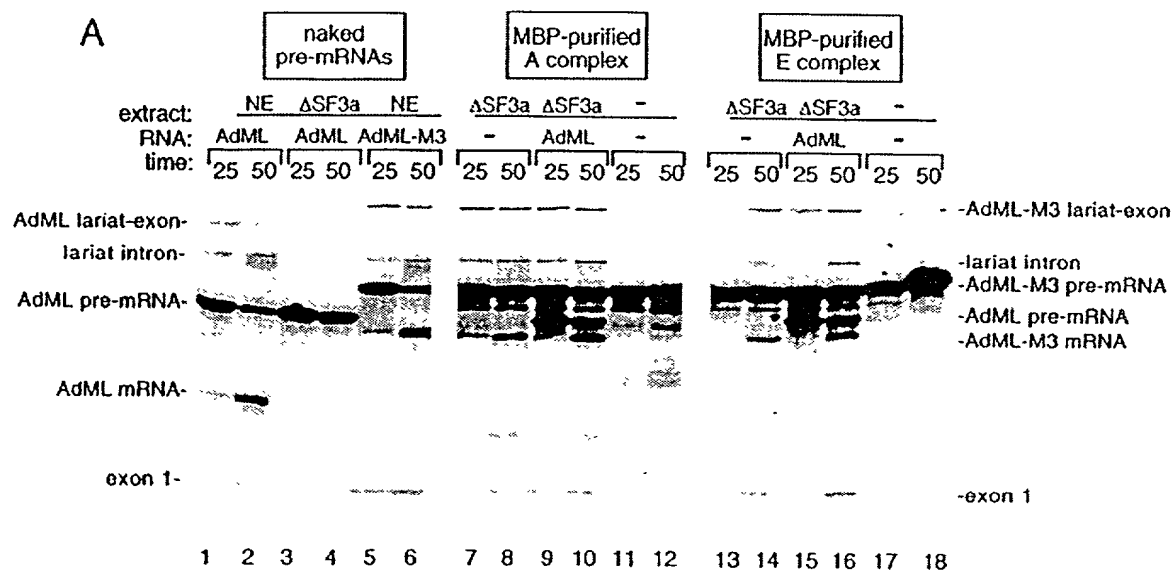


FIGURE 5



**FIGURE 6**

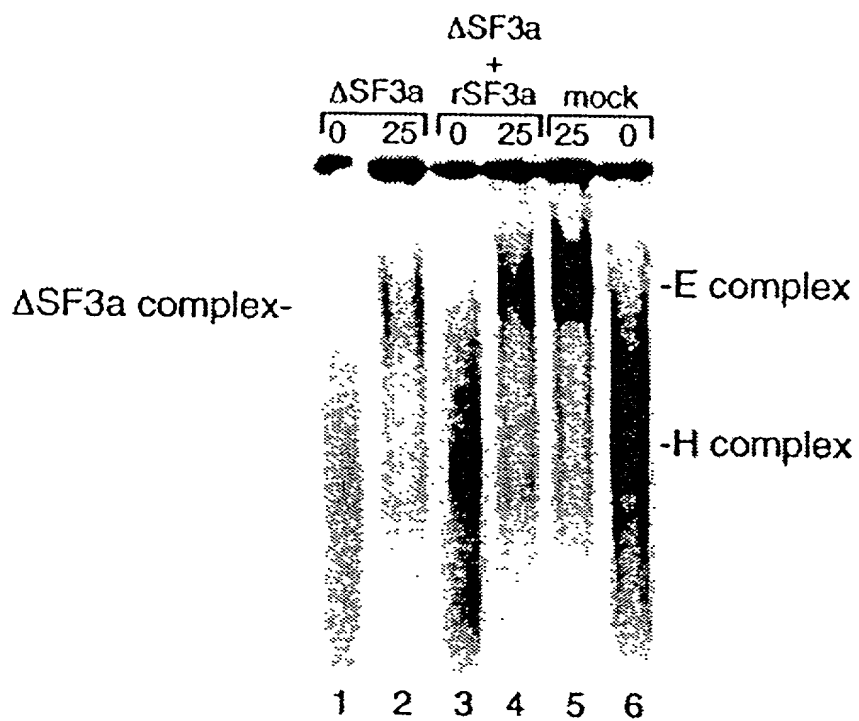
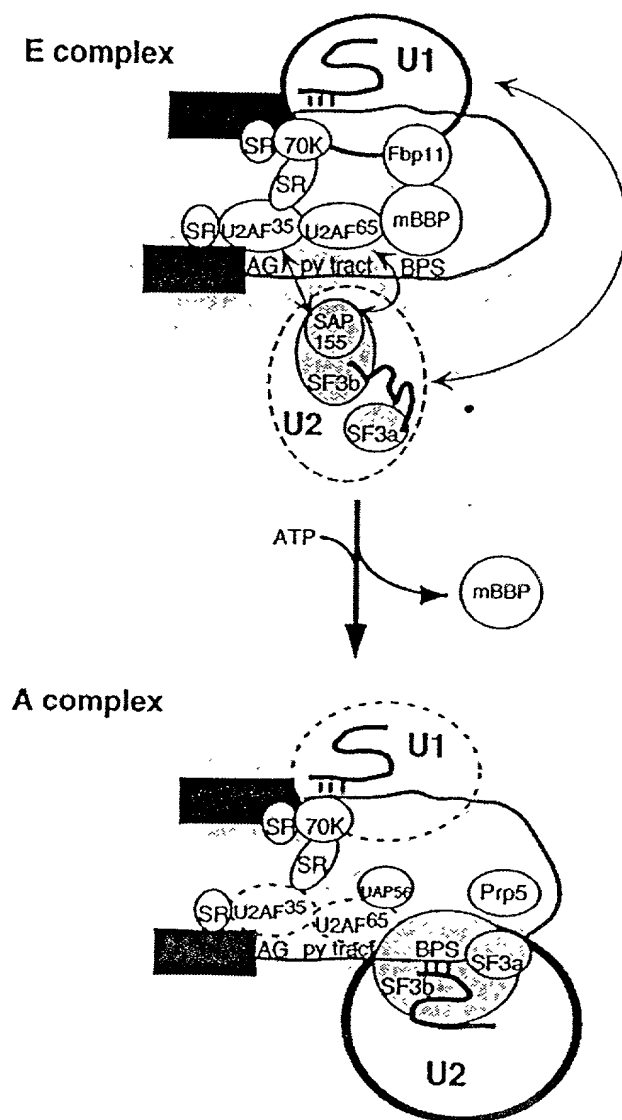


FIGURE 7



**Figure 8**

atg gct tct aac ttt act cag ttc gtt ctc gtc gac aat ggc gga act	48
Met Ala Ser Asn Phe Thr Gln Phe Val Leu Val Asp Asn Gly Gly Thr	
1 5 10 15	
ggc gac gtg act gtc gcc cca agc aac ttc gct aac ggg gtc gct gaa	96
Gly Asp Val Thr Val Ala Pro Ser Asn Phe Ala Asn Gly Val Ala Glu	
20 25 30	
tgg atc agc tct aac tcg cgt tca cag gct tac aaa gta acc tgt agc	144
Trp Ile Ser Ser Asn Ser Arg Ser Gln Ala Tyr Lys Val Thr Cys Ser	
35 40 45	
gtt cgt cag agc tct gcg cag aat cgc aaa tac acc atc aaa gtc gag	192
Val Arg Gln Ser Ser Ala Gln Asn Arg Lys Tyr Thr Ile Lys Val Glu	
50 55 60	
gtg cct aaa gtg gca acc cag act gtt ggt ggt gta gag ctt cct gta	240
Val Pro Lys Val Ala Thr Gln Thr Val Gly Gly Val Glu Leu Pro Val	
65 70 75 80	
gcc gca tgg cgt tcg tac tta aat atg gaa cta acc att cca att ttc	288
Ala Ala Trp Arg Ser Tyr Leu Asn Met Glu Leu Thr Ile Pro Ile Phe	
85 90 95	
gct acg aat tcc gac tgc gag ctt att gtt aag gca atg caa ggt ctc	336
Ala Thr Asn Ser Asp Cys Glu Leu Ile Val Lys Ala Met Gln Gly Leu	
100 105 110	
cta aaa gat gga aac ccg att ccc tca gca atc gca gca aac tcc ggc	384
Leu Lys Asp Gly Asn Pro Ile Pro Ser Ala Ile Ala Ala Asn Ser Gly	
115 120 125	
atc tac taa (SEQ ID NO: 1)	393
Ile Tyr (SEQ ID NO: 2)	
130	

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Parameter	Unit	Value	Parameter	Unit	Value
Temperature	°C	25	Time	h	24
Pressure	atm	1	Flow rate	L/min	1
Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
Time	h	24	Flow rate	L/min	1
Pressure	atm	1	Volume	L	100
Concentration	g/L	10	Material	g	10
pH		7	Flow rate	L/min	1
Time	h	24	Volume	L	100
Pressure	atm	1	Material	g	10
Concentration	g/L	10	Flow rate	L/min	1
pH		7	Volume	L	100
Time	h	24	Material	g	10
Pressure	atm	1	Flow rate	L/min	1
Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
Time	h	24	Flow rate	L/min	1
Pressure	atm	1	Volume	L	100
Concentration	g/L	10	Material	g	10
pH		7	Flow rate	L/min	1
Time	h	24	Volume	L	100
Pressure	atm	1	Material	g	10
Concentration	g/L	10	Flow rate	L/min	1
pH		7	Volume	L	100
Time	h	24	Material	g	10
Pressure	atm	1	Flow rate	L/min	1
Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
Time	h	24	Flow rate	L/min	1
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Concentration	g/L	10	Material	g	10
pH		7	Flow rate	L/min	1
Time	h	24	Volume	L	100
Pressure	atm	1	Material	g	10
Concentration	g/L	10	Flow rate	L/min	1
pH		7	Volume	L	100
Time	h	24	Material	g	10
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Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
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Concentration	g/L	10	Material	g	10
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Time	h	24	Volume	L	100
Pressure	atm	1	Material	g	10
Concentration	g/L	10	Flow rate	L/min	1
pH		7	Volume	L	100
Time	h	24	Material	g	10
Pressure	atm	1	Flow rate	L/min	1
Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
Time	h	24	Flow rate	L/min	1
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Concentration	g/L	10	Material	g	10
pH		7	Flow rate	L/min	1
Time	h	24	Volume	L	100
Pressure	atm	1	Material	g	10
Concentration	g/L	10	Flow rate	L/min	1
pH		7	Volume	L	100
Time	h	24	Material	g	10
Pressure	atm	1	Flow rate	L/min	1
Concentration	g/L	10	Volume	L	100
pH		7	Material	g	10
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Pressure	atm	1	Volume	L	100
Concentration	g/L	10	Material	g	10
pH		7			

SEQ. NO: 3

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NAGAKAGLTLFLVDLIKNNKNADTDYSIAEAAFNKGETAMTINGPAWSNIDTSKVNYGPTVLPFTKGGP  
SKPPFVGLTSAGINAASPKNELAKEFLYENLLTDEGLEAVNKDKPLGAVALKSYEBELAKDPRIATMENA  
OKEGIMPNIPOMSAFWYAVRTAVINAASGRQTVDEALKDAQTRITK (SEQ ID NO: 4)